

MODIS Land Collection 5 Workshop

MODIS Science Team Meeting
Land Breakout Session

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MODIS Collection 5 Workshop

- Will provide an in-depth look at the Collection 5 changes to the MODIS Land products, as well as the status of production and the reprocessing schedule, and QA
- Is an opportunity for feedback from the user community on MODIS land products and data access
- Future land product plans will be discussed
- Will include presentations, tutorials and discussion sessions
- Includes a half day workshop on the second day on the AVHRR to MODIS Long Term Data Records

*January 17–18, 2007 @ UMD
University College Inn and Conference Center*

Workshop Notes

- The overview will give the processing schedule and time series issues in the C4 to C5 transition.
- ST presentations will focus on the changes made in C5. The idea is to keep each science team presentation to 10 minutes to allow for more interaction with the users.
- QA will focus on metadata use and known problems, also browse and time-series tools.
- Archive and Distribution should be an overview of the DAACs (EDC, ORNL and NSIDC) plus the SCF's and distributed sites (Rapid Response, etc.).
- A tutorial on LAADS might be useful depending on whether are distributing from that site at that time.
- There is one set of breakout sessions by product family during the morning of the second day. We can also add/delete topics depending on the interest of the participants.

Day 1 Morning – Draft Agenda

9.00	Welcome: Introduction and Objectives	C. Justice
9.20	Overview: Production Status, Schedule and Time Series Issues (C4 to C5 transition)	R. Wolfe
9.40 – 10.20	<i>Radiation Balance Products Session</i>	
	Surface Reflectance	E. Vermote
	Surface Temperature and Emissivity	Z. Wan
	BRDF/Albedo	C. Schaaf
	Snow Cover and Sea Ice Extent	D. Hall
10.20 – 10.35	<i>Break</i>	
10.35 – 11.20	<i>Question and Answer Session</i>	
11.20 – 11.50	<i>Vegetation Products Session</i>	
	Vegetation Indices	A. Huete
	LAI and FPAR	R. Myneni
	GPP and NPP	S. Running
11.50 – 12.00	<i>Question and Answer Session</i>	
12.00 – 1.00	<i>Lunch</i>	

Day 1 Afternoon – Draft Agenda

1.00 – 1.40 ***Land Cover Products Session***

Land Cover and Vegetation Dynamics	L. Friedl
Thermal Anomalies and Fire	C. Justice
VCC and VCF	J. Townshend
Burn Scar	D. Roy

1:40 – 2.30 *Question and Answer Session*

2.30 – 2.45 *Break*

2.45 – 4.30 ***General***

2.45 – 3.00	Land Quality Assurance	S. Devadiga
3.00 – 3.15	Land Validation	J. Morisette
3.15 – 4.00	DAAC Archive and Distribution (EDC, NSIDC and ORNL)	T. Maersperger, R. Duerr and B. Cook
4.00 – 4.30	Other Archive and Distribution (LAADS, Rapid Response, SCF)	TBD
4:30 – 5.30	<i>Question and Answer Session</i>	

Day 2 Morning – Draft Agenda

9.00 – 9.30	Tutorials on How to Order and Use MODIS Data	
9.00	Data ordering	Lead by the DAACs and LAADS
9.30	Tools	Lead by the QA Group
10.00 – 12.00	<i>Breakout Sessions by Product Group</i>	
	Radiation Balance Products	
	Vegetation Products	
	Land Cover Products	
12.00 – 12.30	Wrap-up	C. Justice and R. Wolfe
12.30	<i>Lunch</i>	

Day 2 Afternoon (1 of 2) – Draft Agenda

1.00 – 5.00	Workshop on Progress in Development of the NASA CAN Project “0.05 Degree Global Climate Interdisciplinary Long-Term Data Set from AVHRR, MODIS and VIIRS Instruments”	
1.00	Project Overview	E. Masuoka
1.15	<i>Theoretical Bases of Algorithms</i>	E. Vermote
	Geolocation	
	Calibration	
	Cloud and Cloud Shadow Screening	
	Atmospheric correction (VIS-MIR, Thermal)	
	Surface BRDF and Albedo	
	Surface Temperature and Emissivity	J. Privette
	Vegetation (Vegetation indices, LAI/FPAR)	C. Tucker
	Burned Area	D. Roy
	<i>Discussion</i>	E. Vermote

Day 2 Afternoon (2 of 2) – Draft Agenda

2.30	<i>Validation</i>	S. Prince
	AERONET sites	J. Nagol
	Comparison with PAL and GIMMS Data	M. Brown
	AVHRR-MODIS Comparison	TBD
	Time-series analyses	J. Pinzon
	Phenology	E. Vermote
	Discussion	S. Prince
3.00	<i>Products</i>	J. Pedelty
	Quality Assessment	
	Formats Provided Daily, Composites, View angle selection	
	File formats	
	Distribution	
	Continuity	
	Discussion	J. Pedelty
4.00	<i>User feedback</i>	E. Vermote
	Designated beta-users	
	Other users	
4.45	Wrap-up	E. Masuoka
5.00	<i>Adjourn</i>	